

circled Search → examiner looked over each reference.

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S55	32	("2679209" "3652187" "3791768" "4381180" "4555222" "4682937" "4854832" "5232352" "5277555" "5326234" "5368452" "5391060" "5567118" "5584666" "5957670" "6241487".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/05 07:44
S57	0	"INGERSOLLRAND".as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/30 12:05
S58	0	"INGERSOLLRANDCO".as.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/30 12:05
S59	0	"INGERSOLL-RAND CANADA- INC.".as.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/30 12:06
S60	129	"INGERSOLL-RAND COMPANY".as. and "417"/\$.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 17:00
S61	0	"INGERSOLL-RAND CO.- LTD.".as.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/30 12:07
S62	0	"INGERSOLL-RAND NEGRI-BOSSI S. P.A.".as.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/30 12:07
S63	232	(roberts-c\$10).in. and (valve or gas or motor or pump)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/04 15:35
S64	1085	417/395.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/04 15:49
S65	488	417/394.ccls. not 417/395.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/04 15:51

EAST Search History

S66	335	417/393.ccls. not (417/395.ccls. or 417/394.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/04 15:52
S67	985	137/625.66.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/04 15:53
S68	675	137/625.27.ccls. not 137/625.66.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/04 15:54
S69	322	137/625.26.ccls. not (137/625.66.ccls. or 137/625.27.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/04 15:54
S70	1	alternating same exhaust and S67	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/04 17:09
S71	8	alternating and exhaust and S67	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/04 17:14
S72	8	(separate with inlet with exhaust) and S67	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/04 17:15
S73	986	137/625.66.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/05 07:45

EAST Search History

S79	322	137/625.26.ccls. not (137/625.66.ccls. or 137/625.27.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/05 10:20
S84	1085	417/395.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/05 13:36
S85	370	S84 and (dual or double or mirror or mirrored or opposed or opposing or matching)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/05 13:37
S86	304	S85 and (switching or switch or alternating or alternate or slide or sliding or reciproc\$6 or reversing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/05 13:39
S87	72	S86 and (separate same inlet same (outlet or exhaust))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/05 14:31
S88	38	S84 and (ice or icing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/05 13:40
S89	81	S85 and (separate same inlet same (outlet or exhaust))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/05 14:35
S90	69	S84 and (double diaphragm pump)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/05 14:53

EAST Search History

S91	488	417/394.ccls. not 417/395.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/05 14:54
S92	123	S91 and (dual or double or mirror or mirrored or opposed or opposing or matching)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/05 15:01
S93	335	417/393.ccls. not (417/395.ccls. or 417/394.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/05 15:03
S94	168	S93 and (dual or double or mirror or mirrored or opposed or opposing or matching)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/05 16:37
S95	2	"4484697".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/06 07:41
S98	1443	"251"/\$.ccls. and (spool valve)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/06 08:24
S99	405	S98 and pilot	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/06 08:24
S100	377	S99 and ((ends or tips) same (seal or seat or valve or close))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/06 08:24

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2472	91/30?.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 07:49
S2	986	137/625.66.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 07:50
S3	340	137/625.26.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 07:50
S4	743	137/625.27.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 07:50
S5	415	417/393.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 07:50
S6	526	417/394.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 07:51
S7	1085	417/395.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 08:04
S8	732	S4 not S3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 08:04

EAST Search History

S9	520	S6 not S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 08:05
S10	973	S7 not (S5 or S6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 08:06
S11	911	S2 not (S3 or S4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 08:07
S12	526	417/394.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 10:57
S13	415	417/393.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 10:57
S14	520	S12 not S13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 10:57
S15	1085	417/395.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 14:53
S16	973	S15 not (S13 or S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 10:57

EAST Search History

S17	743	137/625.27.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 10:57
S18	340	137/625.26.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 10:57
S19	732	S17 not S18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 10:57
S20	986	137/625.66.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 10:57
S21	911	S20 not (S18 or S17)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 10:57
S22	330	91/304.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 11:33
S23	216	91/303.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 11:20
S24	589	137/625.63.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 11:34

EAST Search History

S25	12400	"137"/\$.ccls. and recipocat\$6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 12:20
S26	705	S25 and (spool valve)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 12:39
S27	232	S26 and pilot	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 12:13
S28	43	S27 and ((chamfered or conical or tapered) with ends)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 12:40
S29	7957	"251"/\$.ccls. and recipocat\$6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 12:21
S30	553	S29 and (spool near2 valve)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 12:22
S31	170	S30 and pilot	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 12:22
S32	36	S31 and ((chamfered or conical or tapered) with ends)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 12:27

EAST Search History

S33	1019	137/625.64.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 12:28
S34	1309	137/625.65.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 12:29
S35	143	137/625.67.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 12:30
S36	461	137/625.6.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 12:30
S37	1050	137/625.25.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 12:31
S38	0	137/625.26.ccls. and 417/393.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 12:32
S39	0	137/625.26.ccls. and 417/394.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 12:32
S40	0	137/625.26.ccls. and 417/395.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 12:32

EAST Search History

S41	1	137/625.27.ccls. and 417/393.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 12:33
S42	0	137/625.27.ccls. and 417/394.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 12:33
S43	0	137/625.27.ccls. and 417/395.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 12:33
S44	1	137/625.66.ccls. and 417/393.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 12:34
S45	1	137/625.66.ccls. and 417/394.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 12:34
S46	4	137/625.66.ccls. and 417/395.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 12:34
S47	119	S26 and ((chamfered or conical or tapered) with (ends or tips))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 12:39
S48	76	S47 not S28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 14:18

EAST Search History

S49	473	S26 not pilot	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 14:18
S50	76	S49 and ((chamfered or conical or tapered) with (ends or tips))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 14:21
S51	345	137/625.18.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 15:31
S52	461	137/625.6.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/07 16:13